Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1. (Currently Amended) An intravascular filter apparatus, comprising: an elongate shaft having a distal end and a lumen therethrough;
- a generally cylindrical filter coupled to the shaft near the distal end, the filter being porous and permeable to blood, the filter having a length and a diameter, the filter having an inner containment and an outside wherein the diameter of the filter is larger than the length; and an expansion member slidably disposed within the shaft, such that the expansion member is slidable into the inner containment of the filter to expand the filter.
- 2. (Original) The filter apparatus in accordance with claim 1, wherein the shaft comprises a catheter having a lumen extending therethrough.
- 3. (Original) The filter apparatus in accordance with claim 2, wherein the lumen comprises an aspiration lumen coupled to the filter.
 - 4. (Cancelled)
- 5. (Original) The filter apparatus in accordance with claim 4, wherein the expansion member is comprised of a radiopaque material.

- 6. (Original) The filter apparatus in accordance with claim 4, wherein the expansion member includes a generally straight proximal portion and a generally coiled distal portion.
- 7. (Original) The filter apparatus in accordance with claim 6, wherein the distal portion is comprised of nickel-titanium alloy.
- 8. (Original) The filter apparatus in accordance with claim 1, wherein the length of the filter is less than about 0.10 inches.
- 9. (Withdrawn) The filter apparatus in accordance with claim 1, wherein the filter is collapsible within an outer tubular member.
- 10. (Original) The filter apparatus in accordance with claim 1, wherein the filter includes a filter frame that is comprised of a super-elastic alloy.
- 11. (Currently Amended) An intravascular filter apparatus, comprising:
 an elongate shaft disposed within an outer sheath, the shaft having a proximal end
 and a distal end;

a disc-shaped filter frame coupled to the shaft near the distal end, the filter frame having a diameter and a filter material permeable to blood coupled thereto; and means for aspirating embolic debris from the filter material.

- 12. (Original) The filter apparatus in accordance with claim 11, wherein the shaft comprises a catheter having a lumen extending therethrough and wherein means for aspirating embolic debris includes the lumen.
- 13. (Original) The filter apparatus in accordance with claim 11, further comprising means for expanding the filter.
- 14. (Original) The filter apparatus in accordance with claim 13, wherein means for expanding the filter includes an expansion member slidably disposed within the shaft.
- 15. (Original) The filter apparatus in accordance with claim 14, wherein the expansion member is comprised of a radiopaque material.
- 16. (Original) The filter apparatus in accordance with claim 14, wherein the expansion member includes a generally straight proximal portion and a generally coiled distal portion.
- 17. (Original) The filter apparatus in accordance with claim 16, wherein the distal portion is comprised of nickel-titanium alloy.

- 18. (Original) The filter apparatus in accordance with claim 11, wherein the length of the filter frame is less than about 0.10 inches.
- 19. (Original) The filter apparatus in accordance with claim 11, wherein the filter frame is comprised of a super-elastic alloy.
- 20. (Original) The filter apparatus in accordance with claim 11, wherein the filter is collapsible within an outer tubular member.
- 21. (Withdrawn) A method of filtering embolic debris from a blood vessel, comprising the steps of:

providing an elongate tubular member having a filter frame collapsed therein, the filter frame being coupled to an elongate shaft and having a filter material coupled thereto;

advancing the tubular member to an area of interest within a blood vessel of a patient;

moving the tubular member relative to the shaft so as to shift the filter frame from a generally collapsed configuration to a generally expanded configuration, wherein expanded the filter frame is generally cylindrical in shape and has a diameter and a length, the diameter being larger than the length;

performing an intravascular procedure that generates embolic debris; capturing embolic debris with the filter material; and aspirating the filter material.

- 22. (Withdrawn) The method in accordance with claim 21, wherein the shaft comprises a catheter having a lumen extending therethrough and wherein the step of aspirating the filter material includes aspirating embolic debris through the lumen.
- 23. (Currently Amended) A method of filtering embolic debris from a blood vessel, comprising the steps of:

providing a elongate shaft having a filter frame coupled thereto, the filter frame having a filter material <u>permeable to blood</u> coupled thereto, the shaft having an expansion member disposed therein;

advancing the shaft to an area of interest within a blood vessel of a patient;

actuating the expansion member so as to shift the filter frame from a generally collapsed configuration to a generally expanded configuration, wherein expanded the filter frame is generally cylindrical in shape and has a diameter and a length, the diameter being larger than the length;

performing an intravascular procedure that generates embolic debris; capturing embolic debris with the filter material; and aspirating the filter material.

24. (Original) The method in accordance with claim 23, wherein the shaft comprises a catheter having a lumen extending therethrough and wherein the step of aspirating the filter material includes aspirating embolic debris through the lumen.

- 25. (Original) The method in accordance with claim 23, wherein the expansion member includes a proximal portion and a distal portion, and wherein the step of actuating the expansion member includes applying force in the distal direction to the proximal portion.
 - 26. (Currently Amended) An intravascular filter apparatus, comprising: an elongate shaft disposed within the outer sheath;
- a <u>blood-permeable</u> filter coupled to the shaft, the filter having a length that is sufficiently small to permit use thereof at the junction of a portion of the renal artery and a kidney; and

means for aspirating embolic debris from the filter.

- 27. (Currently Amended) An intravascular filter apparatus, comprising: an elongate shaft disposed within the outer sheath;
- a <u>blood-permeable</u> filter coupled to the shaft, the filter having a length that is sufficiently small to permit use thereof at the junction of a portion of the renal artery and a kidney;

means for aspirating embolic debris from the filter; and

means for shifting the filter between a generally collapsed configuration and a generally expanded configuration.

28. (Withdrawn) A method of filtering embolic debris from a the renal artery, comprising the steps of:

providing an elongate tubular member having a filter frame collapsed therein, the filter frame being coupled to an elongate shaft and having a filter material coupled thereto;

advancing the tubular member to the junction of a portion of the renal artery and a kidney;

retracting the tubular member relative to the shaft so as to shift the filter frame from a generally collapsed configuration to a generally expanded configuration, wherein expanded the filter frame is generally cylindrical in shape and has a diameter and a length, the diameter being larger than the length;

performing an intravascular procedure that generates embolic debris; capturing embolic debris with the filter material; and aspirating the filter material.

29. (Currently Amended) A method of filtering embolic debris from a renal artery, comprising the steps of:

providing a elongate shaft having a filter frame coupled thereto, the filter frame having a filter material <u>permeable to blood</u> coupled thereto, the shaft having an expansion member disposed therein;

advancing the shaft to the junction of a portion of the renal artery and a kidney;

actuating the expansion member so as to shift the filter frame from a generally collapsed configuration to a generally expanded configuration, wherein expanded the filter frame is generally cylindrical in shape and has a diameter and a length, the diameter being larger than the length;

performing an intravascular procedure that generates embolic debris; capturing embolic debris with the filter material; and aspirating the filter material.

30. (Currently Amended) An intravascular filter apparatus, comprising: an elongate shaft having a distal end;

a generally cylindrical <u>blood-permeable</u> filter coupled to the shaft near the distal end, the filter having a length and a diameter and a generally circular cross section, the cross section having an area and being generally perpendicular to the length; and

wherein the diameter of the filter is larger than the length, and the length is generally constant across a substantial portion of the area.

- 31. (Previously Presented) The filter apparatus in accordance with claim 30, wherein the shaft comprises a catheter having a lumen extending therethrough.
- 32. (Previously Presented) The filter apparatus in accordance with claim 31, wherein the lumen comprises an aspiration lumen coupled to the filter.
- 33. (Previously Presented) The filter apparatus in accordance with claim 30, further comprising an expansion member slidably disposed within the shaft.
- 34. (Previously Presented) The filter apparatus in accordance with claim 33, wherein the expansion member is comprised of a radiopaque material.

- 35. (Previously Presented) The filter apparatus in accordance with claim 33, wherein the expansion member includes a generally straight proximal portion and a generally coiled distal portion.
- 36. (Previously Presented) The filter apparatus in accordance with claim 35, wherein the distal portion is comprised of nickel-titanium alloy.
- 37. (Previously Presented) The filter apparatus in accordance with claim 30, wherein the length of the filter is less than about 0.10 inches.
- 38. (Previously Presented) The filter apparatus in accordance with claim 30, wherein the filter is collapsible within an outer tubular member.
- 39. (Previously Presented) The filter apparatus in accordance with claim 30, wherein the filter includes a filter frame that is comprised of a super-elastic alloy.